Agricultural and Forest Meteorology, 64 (1993) 259
Elsevier Science Publishers B.V., Amsterdam

Contents of Volume 64, 1993

VOL. 64, NOS. 1–2 APRIL 1993

Research Papers

Atmosphere–vegetation interaction in local advection conditions: effect of lower boundary conditions
L.J.M. Kroon and H.A.R. de Bruin 1

Preliminary study of N_2O flux over irrigated bermudagrass in a desert environment
A.D. Matthias, J.F. Artiola and S.A. Musil 29

Heat balance, porometer, and deuterium estimates of transpiration from potted trees
W.A. Dugas, J.S. Wallace, S.J. Allen and J.M. Roberts. 47

Influence of canopy architecture on light penetration in lodgepole pine (*Pinus contorta* var. *latifolia*) forests
D.A. Sampson and F.W. Smith 63

Sensitivity of some potential evapotranspiration estimation methods to climate change
M.S. McKenny and N.J. Rosenberg 81

Seasonal variation in the red/far-red ratio and photon flux density in an Australian sub-tropical rainforest
M.H. Turnbull and D.J. Yates 111

Announcements 129

VOL. 64, NOS. 3–4 MAY 1993

Research Papers

Evaporation and discharge from arable land with cropped or bare soils during winter. Measurements and simulations
E. Lewan 131

Modeling the physical environment of tree seedlings on forest clearcuts
A. Groot and K.M. King 161

A comparison of models simulating rainfall interception of forests
H.J.M. Lankreijer, M.J. Hendriks and W. Klaassen 187

Radiation balance, transpiration and photosynthesis of an isolated tree
S.R. Green 201

Diurnal course of canopy temperature and leaf water potential of sorghum (*Sorghum bicolor* L. Moench) under a Mediterranean climate
A. Olufayo, C. Baldy, P. Ruelle and J. Konate 223

Data-sparse estimation of lake evaporation, using a simplified Penman equation
E.T. Linacre. 237

Book Review

Advances in Bioclimatology 257